

Release notes for ENDF/B Development n-034\_Se\_080  
evaluation

**ENDF**  
**B-VII**.dev

April 26, 2017

- checkr Warnings:

1. A previous error halted parsing of the current section  
*MAT=3443, MF= 1, MT=451 (1): Parsing stopped*

```
ERROR(S) FOUND IN MAT=3443, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 243 TO 327
```

- checkr Errors:

1. A variable is outside the allowed ENDF range  
*MAT=3443, MF= 1, MT=451 (0): Variable range*

```
ERROR(S) FOUND IN MAT=3443, MF= 1, MT=451
MOD = 1 OUT OF RANGE 0 - 0 RECORD NUMBER 243
```

2. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 2, MT=151 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=3443, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY RECORD NUMBER 329
```

3. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 3, MT= 1 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=3443, MF= 3, MT= 1
SECTION 3/ 1 NOT IN DIRECTORY RECORD NUMBER 418
```

4. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 3, MT= 2 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=3443, MF= 3, MT= 2
SECTION 3/ 2 NOT IN DIRECTORY RECORD NUMBER 452
```

5. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 3, MT= 4 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=3443, MF= 3, MT= 4
SECTION 3/ 4 NOT IN DIRECTORY RECORD NUMBER 486
```

6. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 3, MT= 16 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=3443, MF= 3, MT= 16
SECTION 3/ 16 NOT IN DIRECTORY RECORD NUMBER 508
```

7. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 3, MT= 17 (0): Directory (b)*

ERROR(S) FOUND IN MAT=3443, MF= 3, MT= 17  
SECTION 3/ 17 NOT IN DIRECTORY RECORD NUMBER 519

8. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 3, MT= 22 (0): Directory (b)*

ERROR(S) FOUND IN MAT=3443, MF= 3, MT= 22  
SECTION 3/ 22 NOT IN DIRECTORY RECORD NUMBER 525

9. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 3, MT= 28 (0): Directory (b)*

ERROR(S) FOUND IN MAT=3443, MF= 3, MT= 28  
SECTION 3/ 28 NOT IN DIRECTORY RECORD NUMBER 537

10. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 3, MT= 51 (0): Directory (b)*

ERROR(S) FOUND IN MAT=3443, MF= 3, MT= 51  
SECTION 3/ 51 NOT IN DIRECTORY RECORD NUMBER 547

11. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 3, MT= 52 (0): Directory (b)*

ERROR(S) FOUND IN MAT=3443, MF= 3, MT= 52  
SECTION 3/ 52 NOT IN DIRECTORY RECORD NUMBER 569

12. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 3, MT= 53 (0): Directory (b)*

ERROR(S) FOUND IN MAT=3443, MF= 3, MT= 53  
SECTION 3/ 53 NOT IN DIRECTORY RECORD NUMBER 589

13. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 3, MT= 54 (0): Directory (b)*

ERROR(S) FOUND IN MAT=3443, MF= 3, MT= 54  
SECTION 3/ 54 NOT IN DIRECTORY RECORD NUMBER 608

14. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 3, MT= 55 (0): Directory (b)*

ERROR(S) FOUND IN MAT=3443, MF= 3, MT= 55  
SECTION 3/ 55 NOT IN DIRECTORY RECORD NUMBER 627

15. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 3, MT= 56 (0): Directory (b)*

- |   |                   |
|---|-------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 3, MT= 56 |                   |
| SECTION 3/ 56 NOT IN DIRECTORY            | RECORD NUMBER 645 |
16. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 3, MT= 57 (0): Directory (b)*
- |   |                   |
|---|-------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 3, MT= 57 |                   |
| SECTION 3/ 57 NOT IN DIRECTORY            | RECORD NUMBER 663 |
17. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 3, MT= 58 (0): Directory (b)*
- |   |                   |
|---|-------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 3, MT= 58 |                   |
| SECTION 3/ 58 NOT IN DIRECTORY            | RECORD NUMBER 680 |
18. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 3, MT= 59 (0): Directory (b)*
- |   |                   |
|---|-------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 3, MT= 59 |                   |
| SECTION 3/ 59 NOT IN DIRECTORY            | RECORD NUMBER 697 |
19. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 3, MT= 60 (0): Directory (b)*
- |   |                   |
|---|-------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 3, MT= 60 |                   |
| SECTION 3/ 60 NOT IN DIRECTORY            | RECORD NUMBER 713 |
20. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 3, MT= 61 (0): Directory (b)*
- |   |                   |
|---|-------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 3, MT= 61 |                   |
| SECTION 3/ 61 NOT IN DIRECTORY            | RECORD NUMBER 729 |
21. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 3, MT= 62 (0): Directory (b)*
- |   |                   |
|---|-------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 3, MT= 62 |                   |
| SECTION 3/ 62 NOT IN DIRECTORY            | RECORD NUMBER 745 |
22. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 3, MT= 63 (0): Directory (b)*
- |   |                   |
|---|-------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 3, MT= 63 |                   |
| SECTION 3/ 63 NOT IN DIRECTORY            | RECORD NUMBER 760 |
23. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 3, MT= 64 (0): Directory (b)*

- |   |                   |
|---|-------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 3, MT= 64 |                   |
| SECTION 3/ 64 NOT IN DIRECTORY            | RECORD NUMBER 775 |
24. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 3, MT= 65 (0): Directory (b)*
- |   |                   |
|---|-------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 3, MT= 65 |                   |
| SECTION 3/ 65 NOT IN DIRECTORY            | RECORD NUMBER 790 |
25. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 3, MT= 66 (0): Directory (b)*
- |   |                   |
|---|-------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 3, MT= 66 |                   |
| SECTION 3/ 66 NOT IN DIRECTORY            | RECORD NUMBER 804 |
26. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 3, MT= 67 (0): Directory (b)*
- |   |                   |
|---|-------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 3, MT= 67 |                   |
| SECTION 3/ 67 NOT IN DIRECTORY            | RECORD NUMBER 818 |
27. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 3, MT= 68 (0): Directory (b)*
- |   |                   |
|---|-------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 3, MT= 68 |                   |
| SECTION 3/ 68 NOT IN DIRECTORY            | RECORD NUMBER 832 |
28. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 3, MT= 69 (0): Directory (b)*
- |   |                   |
|---|-------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 3, MT= 69 |                   |
| SECTION 3/ 69 NOT IN DIRECTORY            | RECORD NUMBER 845 |
29. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 3, MT= 70 (0): Directory (b)*
- |   |                   |
|---|-------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 3, MT= 70 |                   |
| SECTION 3/ 70 NOT IN DIRECTORY            | RECORD NUMBER 858 |
30. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 3, MT= 71 (0): Directory (b)*
- |   |                   |
|---|-------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 3, MT= 71 |                   |
| SECTION 3/ 71 NOT IN DIRECTORY            | RECORD NUMBER 870 |
31. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 3, MT= 72 (0): Directory (b)*

- |   |                   |
|---|-------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 3, MT= 72 |                   |
| SECTION 3/ 72 NOT IN DIRECTORY            | RECORD NUMBER 882 |
32. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 3, MT= 73 (0): Directory (b)*
- |   |                   |
|---|-------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 3, MT= 73 |                   |
| SECTION 3/ 73 NOT IN DIRECTORY            | RECORD NUMBER 894 |
33. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 3, MT= 74 (0): Directory (b)*
- |   |                   |
|---|-------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 3, MT= 74 |                   |
| SECTION 3/ 74 NOT IN DIRECTORY            | RECORD NUMBER 905 |
34. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 3, MT= 75 (0): Directory (b)*
- |   |                   |
|---|-------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 3, MT= 75 |                   |
| SECTION 3/ 75 NOT IN DIRECTORY            | RECORD NUMBER 916 |
35. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 3, MT= 76 (0): Directory (b)*
- |   |                   |
|---|-------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 3, MT= 76 |                   |
| SECTION 3/ 76 NOT IN DIRECTORY            | RECORD NUMBER 927 |
36. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 3, MT= 77 (0): Directory (b)*
- |   |                   |
|---|-------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 3, MT= 77 |                   |
| SECTION 3/ 77 NOT IN DIRECTORY            | RECORD NUMBER 937 |
37. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 3, MT= 78 (0): Directory (b)*
- |   |                   |
|---|-------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 3, MT= 78 |                   |
| SECTION 3/ 78 NOT IN DIRECTORY            | RECORD NUMBER 947 |
38. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 3, MT= 79 (0): Directory (b)*
- |   |                   |
|---|-------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 3, MT= 79 |                   |
| SECTION 3/ 79 NOT IN DIRECTORY            | RECORD NUMBER 957 |
39. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 3, MT= 91 (0): Directory (b)*

- |   |                   |
|---|-------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 3, MT= 91 |                   |
| SECTION 3/ 91 NOT IN DIRECTORY            | RECORD NUMBER 966 |
40. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 3, MT=102 (0): Directory (b)*
- |   |                   |
|---|-------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 3, MT=102 |                   |
| SECTION 3/102 NOT IN DIRECTORY            | RECORD NUMBER 975 |
41. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 3, MT=103 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 3, MT=103 |                    |
| SECTION 3/103 NOT IN DIRECTORY            | RECORD NUMBER 1002 |
42. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 3, MT=104 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 3, MT=104 |                    |
| SECTION 3/104 NOT IN DIRECTORY            | RECORD NUMBER 1016 |
43. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 3, MT=105 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 3, MT=105 |                    |
| SECTION 3/105 NOT IN DIRECTORY            | RECORD NUMBER 1027 |
44. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 3, MT=107 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 3, MT=107 |                    |
| SECTION 3/107 NOT IN DIRECTORY            | RECORD NUMBER 1036 |
45. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 4, MT= 2 (0): Directory (b)*
- |  |                    |
|--|--------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 4, MT= 2 |                    |
| SECTION 4/ 2 NOT IN DIRECTORY            | RECORD NUMBER 1052 |
46. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 4, MT= 16 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 4, MT= 16 |                    |
| SECTION 4/ 16 NOT IN DIRECTORY            | RECORD NUMBER 1279 |
47. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 4, MT= 17 (0): Directory (b)*

- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=3443, MF= 4, MT= 17 |                    |
|  | SECTION 4/ 17 NOT IN DIRECTORY            | RECORD NUMBER 1290 |
48. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 4, MT= 22 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=3443, MF= 4, MT= 22 |                    |
|  | SECTION 4/ 22 NOT IN DIRECTORY            | RECORD NUMBER 1301 |
49. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 4, MT= 28 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=3443, MF= 4, MT= 28 |                    |
|  | SECTION 4/ 28 NOT IN DIRECTORY            | RECORD NUMBER 1312 |
50. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 4, MT= 51 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=3443, MF= 4, MT= 51 |                    |
|  | SECTION 4/ 51 NOT IN DIRECTORY            | RECORD NUMBER 1323 |
51. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 4, MT= 52 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=3443, MF= 4, MT= 52 |                    |
|  | SECTION 4/ 52 NOT IN DIRECTORY            | RECORD NUMBER 1348 |
52. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 4, MT= 53 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=3443, MF= 4, MT= 53 |                    |
|  | SECTION 4/ 53 NOT IN DIRECTORY            | RECORD NUMBER 1371 |
53. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 4, MT= 54 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=3443, MF= 4, MT= 54 |                    |
|  | SECTION 4/ 54 NOT IN DIRECTORY            | RECORD NUMBER 1394 |
54. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 4, MT= 55 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=3443, MF= 4, MT= 55 |                    |
|  | SECTION 4/ 55 NOT IN DIRECTORY            | RECORD NUMBER 1417 |
55. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 4, MT= 56 (0): Directory (b)*



- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 4, MT= 56 |                    |
| SECTION 4/ 56 NOT IN DIRECTORY            | RECORD NUMBER 1440 |
56. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 4, MT= 57 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 4, MT= 57 |                    |
| SECTION 4/ 57 NOT IN DIRECTORY            | RECORD NUMBER 1463 |
57. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 4, MT= 58 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 4, MT= 58 |                    |
| SECTION 4/ 58 NOT IN DIRECTORY            | RECORD NUMBER 1486 |
58. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 4, MT= 59 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 4, MT= 59 |                    |
| SECTION 4/ 59 NOT IN DIRECTORY            | RECORD NUMBER 1509 |
59. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 4, MT= 60 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 4, MT= 60 |                    |
| SECTION 4/ 60 NOT IN DIRECTORY            | RECORD NUMBER 1532 |
60. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 4, MT= 61 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 4, MT= 61 |                    |
| SECTION 4/ 61 NOT IN DIRECTORY            | RECORD NUMBER 1555 |
61. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 4, MT= 62 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 4, MT= 62 |                    |
| SECTION 4/ 62 NOT IN DIRECTORY            | RECORD NUMBER 1578 |
62. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 4, MT= 63 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 4, MT= 63 |                    |
| SECTION 4/ 63 NOT IN DIRECTORY            | RECORD NUMBER 1601 |
63. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 4, MT= 64 (0): Directory (b)*

- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 4, MT= 64 |                    |
| SECTION 4/ 64 NOT IN DIRECTORY            | RECORD NUMBER 1624 |
64. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 4, MT= 65 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 4, MT= 65 |                    |
| SECTION 4/ 65 NOT IN DIRECTORY            | RECORD NUMBER 1647 |
65. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 4, MT= 66 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 4, MT= 66 |                    |
| SECTION 4/ 66 NOT IN DIRECTORY            | RECORD NUMBER 1670 |
66. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 4, MT= 67 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 4, MT= 67 |                    |
| SECTION 4/ 67 NOT IN DIRECTORY            | RECORD NUMBER 1693 |
67. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 4, MT= 68 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 4, MT= 68 |                    |
| SECTION 4/ 68 NOT IN DIRECTORY            | RECORD NUMBER 1716 |
68. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 4, MT= 69 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 4, MT= 69 |                    |
| SECTION 4/ 69 NOT IN DIRECTORY            | RECORD NUMBER 1739 |
69. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 4, MT= 70 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 4, MT= 70 |                    |
| SECTION 4/ 70 NOT IN DIRECTORY            | RECORD NUMBER 1762 |
70. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 4, MT= 71 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=3443, MF= 4, MT= 71 |                    |
| SECTION 4/ 71 NOT IN DIRECTORY            | RECORD NUMBER 1785 |
71. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 4, MT= 72 (0): Directory (b)*

- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3443, MF= 4, MT= 72 | RECORD NUMBER | 1808 |
| SECTION 4/ 72 NOT IN DIRECTORY            |               |      |
72. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 4, MT= 73 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3443, MF= 4, MT= 73 | RECORD NUMBER | 1831 |
| SECTION 4/ 73 NOT IN DIRECTORY            |               |      |
73. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 4, MT= 74 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3443, MF= 4, MT= 74 | RECORD NUMBER | 1854 |
| SECTION 4/ 74 NOT IN DIRECTORY            |               |      |
74. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 4, MT= 75 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3443, MF= 4, MT= 75 | RECORD NUMBER | 1877 |
| SECTION 4/ 75 NOT IN DIRECTORY            |               |      |
75. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 4, MT= 76 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3443, MF= 4, MT= 76 | RECORD NUMBER | 1900 |
| SECTION 4/ 76 NOT IN DIRECTORY            |               |      |
76. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 4, MT= 77 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3443, MF= 4, MT= 77 | RECORD NUMBER | 1923 |
| SECTION 4/ 77 NOT IN DIRECTORY            |               |      |
77. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 4, MT= 78 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3443, MF= 4, MT= 78 | RECORD NUMBER | 1946 |
| SECTION 4/ 78 NOT IN DIRECTORY            |               |      |
78. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 4, MT= 79 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3443, MF= 4, MT= 79 | RECORD NUMBER | 1969 |
| SECTION 4/ 79 NOT IN DIRECTORY            |               |      |
79. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 4, MT= 91 (0): Directory (b)*

ERROR(S) FOUND IN MAT=3443, MF= 4, MT= 91  
SECTION 4/ 91 NOT IN DIRECTORY RECORD NUMBER 1992

80. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 5, MT= 16 (0): Directory (b)*

ERROR(S) FOUND IN MAT=3443, MF= 5, MT= 16  
SECTION 5/ 16 NOT IN DIRECTORY RECORD NUMBER 2016

81. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 5, MT= 17 (0): Directory (b)*

ERROR(S) FOUND IN MAT=3443, MF= 5, MT= 17  
SECTION 5/ 17 NOT IN DIRECTORY RECORD NUMBER 2065

82. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 5, MT= 22 (0): Directory (b)*

ERROR(S) FOUND IN MAT=3443, MF= 5, MT= 22  
SECTION 5/ 22 NOT IN DIRECTORY RECORD NUMBER 2089

83. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 5, MT= 28 (0): Directory (b)*

ERROR(S) FOUND IN MAT=3443, MF= 5, MT= 28  
SECTION 5/ 28 NOT IN DIRECTORY RECORD NUMBER 2218

84. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3443, MF= 5, MT= 91 (0): Directory (b)*

ERROR(S) FOUND IN MAT=3443, MF= 5, MT= 91  
SECTION 5/ 91 NOT IN DIRECTORY RECORD NUMBER 2278

- groupie Errors:

1. Very small elastic cross section found  
*0: Small elastic*

Multi-Group and Multi-Band Parameters from ENDF/B Data (GROUPIE 2015-2)

-----  
ENDF/B Input and Output Data Filenames  
ENDFB.IN  
ENDFB.OUT  
... [97 more lines]

- fudge-4.0 Warnings:

1. Missing a channel with a particular angular momenta combination  
*resonances / resolved / MultiLevel BreitWigner (Error # 0): missingResonanceChannel*

WARNING: Missing a channel with angular momenta combination L = 0, J = 1.5 and S = 1.5 for "capture"  
 WARNING: Missing a channel with angular momenta combination L = 1, J = 0.5 and S = 1.5 for "capture"  
 WARNING: Missing a channel with angular momenta combination L = 1, J = 1.5 and S = 1.5 for "capture"  
 WARNING: Missing a channel with angular momenta combination L = 1, J = 2.5 and S = 1.5 for "capture"

2. Cross section does not match sum of linked reaction cross sections  
*crossSectionSum label 0: total (Error # 0): CS Sum.*

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.17%

3. Cross section does not match sum of linked reaction cross sections  
*crossSectionSum label 1: (z,n) (Error # 0): CS Sum.*

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.14%

- fudge-4.0 Errors:

1. Calculated and tabulated Q values disagree.  
*reaction label 33: n + H1 + As79 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -11412378.15402222 eV vs -1.13349e7 eV!

2. Calculated and tabulated Q values disagree.  
*reaction label 36: H1 + As80-s (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -4818300.366775513 eV vs -4918820. eV!

3. Calculated and tabulated Q values disagree.  
*reaction label 37: H2 + As79-s (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -9187812.053085327 eV vs -9024810. eV!

4. Calculated and tabulated Q values disagree.  
*reaction label 38: H3 + As78-s (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -11821003.03767395 eV vs -1.18958e7 eV!

- njoy2012 Warnings:

1. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!  
*grouppr...compute self-shielded group-averaged cross-sections (0): GROUPR/conver (0)*

---message from conver---cannot do complete particle production for mt= 16  
 only mf4/mf5 provided

2. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!  
*grouppr...compute self-shielded group-averaged cross-sections (1): GROUPR/conver (0)*

---message from conver---cannot do complete particle production for mt= 17  
 only mf4/mf5 provided

3. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!  
*group...compute self-shielded group-averaged cross-sections (2): GROUPR/conver (0)*

---message from conver---cannot do complete particle production for mt= 22  
only mf4/mf5 provided

4. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!  
*group...compute self-shielded group-averaged cross-sections (3): GROUPR/conver (0)*

---message from conver---cannot do complete particle production for mt= 28  
only mf4/mf5 provided

5. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!  
*group...compute self-shielded group-averaged cross-sections (4): GROUPR/conver (0)*

---message from conver---cannot do complete particle production for mt= 91  
only mf4/mf5 provided